



## ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXXII NO. 6

P.O. BOX 3454, TUSTIN, CA 92681

JUNE, 1991

**Our Speaker:**  
Frank, WA6VKZ  
Field Day Chairman on Field Day Operating and Banner Making

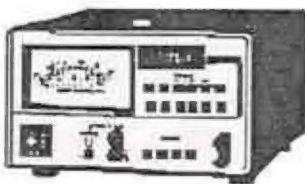
Soon the GREATEST FUN EVENT of Orange County Amateur Radio Club's year will be upon us. Plans are suddenly coming together. Don, KC6ONZ, our "Chef Extraordinaire" still needs:

Several camp stoves Tables  
Ice Chests Shade  
Don suggests that if you want to be popular, and have everybody glad to meet you that you volunteer to help out at the cook area.

We suggest that you make sure your check list of things to bring includes the following:

Chairs	Hat
Name Tag	Fire Extinguisher
Work Gloves	Suntan Lotion
Bug Repellant	Warm Clothes
First Aid Kit	Computers

Friday, June 21st  
7:30 PM  
is the next meeting!



The Station line-up looks like this:

"W6ZE 6 ALPHA ORANGE"  
 75 M Jerry KK6YO  
 40 M Larry K6VDP  
 20 M CW Bill N6VMS  
 20 M PH Nancy N6XQR  
 15 M Ken W6HHC  
 VHF/UHF Jane KC6TAM  
 Packet Jim N6XTJ  
 Satellite Mike K6KAA

### Novice/Tech

"WA6PFA 6 ALPHA ORANGE"  
 10 M Tom WA6PFA

If you are reading this, you are INVITED! Come watch, come cook, come log, come operate, come learn, come cheer! Come and have a good time. Kids and Dogs also welcome! (Cats, maybe not....)

Mondays 6:30pm 144.330 simplex  
 WB6NOA, Gordo - Code practice and "News behind the News"

Mondays 8:00 pm 28.333  
 Bob, AB6CH & David, WA6TWF, Beginner's Net, Code Practice and Tech Talk.

Friday, June 21st 3:00pm FIELD DAY EARLY BIRD SETUP

FIELD DAY - June 22 - 23

Saturday, July 20 8:30 am - 5 pm CATALINA AMATEUR REPEATER ASSN. HAMFEST '91  
 Cypress College, 9200 Valley Vies St., Cypress - Ray Briem, N6FFT, Gordon West, WB6NOA, Joe Moell, K0OV. Contact Control Ops on 147.090+ or 224.420- \$5.00

<i>In This Issue .....</i>	<i>Page</i>
ALUMINUM FACTS .....	2
MAY MEETING MINUTES .....	2
NET NOTES .....	3
JUNE BOARD MINUTES .....	4
220 BAND PLAN .....	5
VP AUTOBIO .....	5
NEW MEMBERS, CHANGES ....	5
ANTENNA CONSTR. PARTY ....	6
PREZ SEZ & MAPS .....	7

**Join Us For Field Day! Visitors welcome!**

**SET-UP on Friday, June 21st at 3:00, OCARC Meeting in Evening**  
**24-hour Non-stop Operating Saturday 11:00am thru Sunday 11:00am**

## Aluminum Facts from Packet

submitted by Bob Eckweiler, AF6C

In late Spring many a ham's fancy turns to antennas. Here's a little information on the various types of aluminum and what those designations like 6061-T6 mean. Credit for this information goes to KB0DSW who uploaded the information onto Packet. All I did is a little editing. Bob - AF6C

Common aluminum types for amateur use!

### \*ALLOY NUMBERS\*

#### TYPE: CHARACTERISTIC:

2024	Good formability, high strength.
5052	Excellent surface finish, corrosion resistance, normally not heat treatable for high strength.
6061	Good machinability, good weldability, can be brittle at high temps.
7075	Good formability, high strength.

### \*COMMON TEMPERS\*

#### TYPE: CHARACTERISTICS:

T0	Special soft condition.
T3	Hard.
T6	Very hard, possibly brittle.
Txxx	Three digit tempers (usually specialized high-strength heat treatment similar to t6.)

### \*GENERAL USES\*

#### TYPE: USES:

2024-T3	Chassis boxes, antennas, anything that will be bent or flexed a lot!
7075-T3	
6061-T6	Mounting plates, welded assemblies or machined parts.

ENJOY! DE KB0DSW..73'S AND HAPPY DX!

### NEW CALL? NEW MEMBER? ORDER YOUR BADGE NOW.

Badges are engraved in groups of six or more in order to keep the cost down. The club plans to get the next group of badges engraved in July, if we have enough orders. Now is the time to place your order with the Secretary. Badges are \$5.00.

## 1991 CLUB BOARD of DIRECTORS

President .....	Ken Konechy .....	W6HHC .....	541-6249
Vice President .....	Mike Abreu .....	K6KAA .....	832-8503
Secretary .....	Bruce Creager .....	KC6DLA .....	538-8259
Treasurer .....	Bill Freyfogle .....	N6VMS .....	964-9336
Activities .....	Tom Thomas .....	WA6PFA .....	771-2917
Membership .....	Bob Eckweiler .....	AF6C .....	639-5074
Public Relations .....	John Meacham ....	KJ6TK .....	842-4702
T.V.I. Chairman .....	Larry Beilin .....	K6VDP .....	557-7217
Member at Large .....	Frank Smith .....	WA6VKZ .....	454-2635
Member at Large .....	Chris Bressler .....	KJ6ZH ..	(213) 866-2077

## CLUB APPOINTMENTS

Club Historian .....	Bob Evans .....	WB6IXN .....	543-9111
W6ZE Trustee.....	Bob Eckweiler .....	AF6C .....	639-5074
RF Editor .....	Nancy Bucher .....	N6XQR .....	537-8728
RF Printer .....	Jerry Dahlin .....	AA6BU ..	(213) 527-2779
Refreshments .....	Cindy Hughes .....	KC6OPI .....	971-3448

### DUES

Regular Member ..... \$12.00 Additional Family Members .... 6.00 each  
Teenage Members (under 20) .. 6.00 Optional Club Badge ..... 5.00

Dues for new members are prorated quarterly from January of each year. Family members must reside at the address of a Regular Member. One RF is sent per household.

## Minutes of OCARC General Meeting 5/17/91

Meeting called to order by Vice President Mike Abreu at 7:43 PM. Officers present were Mike-K6KAA, Bruce-KC6DLA, Bill-N6VMS, Tom-WA6PFA, John-KJ6TK, Larry-K6VDP, Frank-WA6VKZ and Chris-KJ6ZH. There were 48 members and guests present.

Raffle - The winner of the Yaesu FT470 raffle was Jim Atchison, KC6SCI. Jim attended the meeting and picked-up the radio.

Program - Wayne Overbeck, N6NB, brought slides of several field day sites. The pictures showed different antenna configurations and operating locations.

Radio Class - Carry, N7OYT, reported that he has contacted the city of Tustin community services about running a Novice and No-Code class this fall. The class will last for 8 weeks on Tuesdays and Thursdays between September and December. It was suggested that a charge of \$15 for adults and \$5 for kids under 18 be made. Carry is looking for backup people to teach the class.

Field Day - The Tustin USMC Air Station will be our field day site this year. We will operate in the 5A class under the club call, W6ZE. [Ed. Note: Now 6A class.] A setup party will be held on Friday June 21 at 3PM. Contact Frank, WA6VKZ, to volunteer as operator, logger or general laborer. Keep the weekend open to come join the fun.

ARRL Announcements from Alex, W6RE - 1) AMSAT asks that OSCAR 10 not be used due to low power. 2) Helen, GB9MIR/U, is a British YL that will be joining the Soviets on-board the MIR space craft. She can be heard on a downlink frequency of 432.675 FM.

Meeting was adjourned 9:22 PM.

Respectfully submitted, KC6DLA, Bruce Creager - Secretary

Note from Bill, N6VMS, Treasurer: Jim Atchison, KC6SCI, the winner of the Yaesu FT470 generously donated \$100 to the Club and joined, too!

## On the Nets - May, 1991

by Bob Evans, WB6IXN

**S/1 15m phone net** - W6ZE/HHC checks in IXN, COJ, & AF6C, plus others. IXN gets a landline from Maui, Hawaii, & exits the net. COJ discusses FD preparations with the group.

**S/1 2m phone net** - W6ZE/IXN, finished with the landline, checks in KAA, VPP, VDP, QW, RE, RND, AF6C, COJ, HHC, ATK, ESD, ZH, TAM, XQR, OPI, & ULU. KAA zips to Bakersfield & back, putting in a good 8 hrs. of work! VPP has intermittent modulation problems as he puts out a fine carrier with a word here & there! VDP will have a tent for his FD station as he prepares VHF ants. & listens to 'Shuttle' xmissions on 6m. RE & XYL enjoy a trip to Lake San Marcos, Ensenitas, & other points, sponsored by Eldorado Bank. All Mexico will celebrate Alex' BD on Cinco de Mayo! QW bemoans the poor low band conditions as he OKs the length of cable cut by KAA. AF6C notices that the 'KISS' principle doesn't apply to auto manufacturers as he glances thru the maintenance manual for the new car! HHC enjoys tracking 'STS-39' across the sky! And Ken reminds all of the upcoming Sat. breakfast, & tells IXN that he has a copy of a virus detection program for him. ATK wants to communicate keyboard to keyboard on packet. XQR suggests that Kent try 144.39! And Nancy makes roster changes & includes a FD map for next 'RF', along with code practice for her planned XTRA class jump! Hm!..ESD & ZH contact 1A0KM, the Solemn Military Order of Malta..Are you members yet, OPs? And Bob also gets 5R8AL, Madagascar, 1500 Z, on 14.256 SSB. TAM, housewifing it, finally gets over her cold, reporting that IBR & IBP are doing fine! OPI & ONZ want to know the approximate # of OPs planning to attend FD, & Cindy continues her Red Cross class. ULU gets home from his computer meeting at the Elks Club & tells OPs abt contact with April Moell & the Hospital Disaster Communications Grp. RND reminds IXN that he forgot QW in the net rotation.

**S/2 CW net** - Net is informal..No net control yet! RND doesn't fool with computer BBs so he doesn't worry abt 'viruses'! NG7D takes his errant power supply back to Astron for repairs. Ten dollars later he walks out with the power supply cured! And IXN looks up name of a crystal distributor in QST for NG7D.

**S/8 15m phone net** - HHC & Diane are vacationing in Europe, so W6ZE/AF6C checks in NGO, IXN, & YZG. NGO, up from a nap, tells OPs of progress on FD antennas. And Kei buys a new cordless wrench to tighten bolts on FD! AF6C prepares for a party tomorrow as he transfers to a new software (not undies) position at Douglas. And IXN listens to NG7D's detective experience as John tracks down his missing 243FT crystals! YZG tunes in to hear AF6C mention a NASA contact for future PR adventures.

**S/8 2m phone net** - W6ZE/IXN checks in BPX, ZH, RE, OPI, XQR, VPP, BWZ, VDP, PFA, ESD, ATK, RND, & QW. BPX (IXN, too) get the weeds under control as BPX gets a bumped shoulder x-rayed. All being OK, Wyatt & Blanche will be treated, by the grandchildren, at the Sizzler on Sun. ZH puts up a new Quad for testing on packet as TAM still keeps one eye on a new 831! Chris works Romania, Czechoslovakia, Andora, Venezuela, & K5GH, a special event station of 'stargazers' in Texas. VMS tells OPs that Andora Swiss Hams is a good DX contact, as he & K6WS plan a little 'mountain topping' on Mt. Pinos for the CQ mag. W. W. Prefix Contest. PFA & XYL enjoy the new Golden Retriever as Tom investigates a modem problem with a board in the IBM Clone. DLA is literally 'walking the dogs' tonite!

xmission. Increasing the output pwr, RE airs an interesting 'Newsline', talks of upcoming ultrasound gall bladder tests, & airs the latest '220 MHz' news. ONZ attends a homeowner assoc. meeting as OPI prepares for her last Red Cross class. XQR & BWZ have their heads together at Nancy's QTH as they prepare the upcoming edition of 'RF'. XQR will distribute 'RF' among the new OPs at the WCARC meeting. IXN & BWZ share amateur astronomy interests! VDP & fam. motor to Big Bear with QW as they plan further hamming adventures at Rolf's mountain retreat. ESD works 2 OPs, PY0SK & PY0SR, on St. Peter & St. Paul Rocks! Packet says they will be on 20m CW on 14.023.3 at 0403 Z! Bob learns that science has moved into the elementary schools as he & the XYL visit their granddaughters' grade school in GG! RND & IXN discuss Shelley Trotter, W6BAM, whom John works now & then on the 40m CW nets on 7.056 & 7.065. Shelley lives in Firebaugh, CA., & is a Charter Member of the OCARC. He has NEVER used a microphone in his hamming career!

**S/9 15m CW net** - Net is informal..No net control! RND & IXN discuss an intermittent power problem in John's Yaesu 757. RND has the rig in for repairs & will keep IXN informed on Yaesu's solution!

**S/15 2m phone net** - W6ZE/IXN checks in BPX, QE, ESD, RE, BWZ, XQR, RND, KAA, ATK, VDP, QW, ZH, DLA, VMS, & PFA. BPX waters the beans, rakes leaves, & will dry garlic within 2 wks. as he & Blanche prepare to visit the Fair at Devore over the weekend. QE will bring the HT to meeting for presentation to the winner..And Phil has an AOP-1 & a 440-2m ants. for sale! ESD communicates thru a stuffy nose as he breathes dust from street repairs & works the Locals on 160m! RE airs Newsline & we learn that OPs will say '73s' to 220-222 MHz at 0 hrs. UTC on Aug. 28! Alex gets the new glasses, warns OPs to remember to work Armed Forces stations split frequency this weekend, & reminds all to have their Reps. support HR 73! Bill's computer will talk, but not receive as BWZ attempts to solve a modem problem! XQR & crew distribute 80 'RFs' at the G.W. Radio School, & Nancy tells BWZ she has software that may help him with the modem problem! RND motors to the River over the weekend & flies model airplanes with the Bullhead City grp, where he meets a new CW OP, Barney, KV7P! KAA tunes the 220 J-pole with a grid dip meter, & paddle-paddles with a little DX! ATK 'handhelds' from a relative's house, hasn't received his 'RF' yet, & will be at meeting Fri. eve. VDP works St. Pierre off the coast of Canada, FP5DX, & plans to work Armed Forces Day this weekend. QW completes work on the J-pole & Tribander ants., finishes shelving in the shack, & looks for paper work on an errant TR-44 rotator. ZH may miss Fri. meeting as he has more warts removed from the 'OM Mobiles'! Chris works Romania, Czechoslovakia, Andora, Venezuela, & K5GH, a special event station of 'stargazers' in Texas. VMS tells OPs that Andora Swiss Hams is a good DX contact, as he & K6WS plan a little 'mountain topping' on Mt. Pinos for the CQ mag. W. W. Prefix Contest. PFA & XYL enjoy the new Golden Retriever as Tom investigates a modem problem with a board in the IBM Clone. DLA is literally 'walking the dogs' tonite!

*Continued on Page 4*

## On the Nets - May, 1991 (Continued)

**5/22 15m phone net** - W6ZE/HHC checks in RND, NGO, YZG, NG7D, & IXN. NG7D works on a new project..Checked out the new QRP listed in June QST, John? HHC & 'Di' are back frm their whirlwind tour of England, Norway, Munich, Austria & Alps, and Mozart's home town, wid Diane enjoying the shopping & Ken sampling beer & sausages in the pubs & guest houses! YZG questions HHC abt old English airbases & remembers his days 'on the Autobahn'! RND can't hear IXN too well as John tells OPs abt a week-late announcement of FD in World Radio magazine! NGO experiences trouble wid his 3-element 20m beam running a high SWR!

**5/22 2m phone net** - W6ZE/HHC checks in BPX, RE, VPP, PFA, RND, VDP, BWZ, KAA, HHC, ZH & TAM, VKZ, & BEN. BPX replaces a leaky valve after he & Blanche return frm the Fair at Fresno. RE, under cloudy skies, waxes the auto, wines & dines former OCARC member, Jim Kingsbury, N6WS, warns OPs not to use OSCAR 10 until further notice, & notes that Helen, GB1MIR/U will be aboard the Soviet MIR space station, 432.675 MHz downlink. VPP operates 'on again-off again' packet as he awaits the outcome of PFA trials wid a new program! And Tom enjoys RE's 'RTTY' landline ring in the background, installs a new hard drive in the computer, & tells VPP that the new packet program is working FB! RND & VDP both enjoyed working MARS stations split frequency on Armed Forces Day last Weekend. John 'polished off' the fence work while Larry modifies a 2F-1 audio filter fer a friend. XQR's software discovers a problem in BWZ's modem which doesn't deter Bill frm brushing up on his 'C' programming! KAA contacts Washington on 6m, & Mike has strong QRN on his sigs! And HHC 'gets used to English' agn as he lowers the 2m ant. in preparation fer an attack on QTH termites! ZH breaks over wid the new promised 631 fer TAM, as Jane says she's 'expensive but worth it'! And Chris gets a new QSL for the wall frm Lithuania! VKZ goes mobile to check out a job on the 55 freeway, eyeballs the FD site, & requests an additional 10m beam fer FD, which will be supplied by VDP & QW! KB6BEN checks in to say 'Hi' to Larry & the OPs. We invite Bill to a Club meeting & FD.

**5/23 15m CW net** - With no net control, the net is informal. RND tells IXN that he has already received a QSL card frm a MAR station in Wash., D.C., only 5 days after Armed Forces Day! IXN contemplates buying a dual handheld.

**5/29 15m phone net** - W6ZE/HHC, at NGO's QTH, checks in Dick, K6ATP, AF6C, & IXN. HHC & NGO solve the ant. problems, and AF6C will supply RND wid the NASA PR contact. ATP is returning to ham radio as he investigates future antennas.

**5/29 2m phone net** - W6ZE/IXN checks in KAA, VPP, ESD, BPX, RE, RND, BWZ, XQR, VKZ, NGO, HHC, VMS, AF6C, PFA, & VDP. BPX busies himself wid digging & drying garlic. VPP scraps the COM program & opts fer PFA's YAP software to get his packet station back on line! ESD travels to & fro to the hosp. as the XYL has a blood clot removed frm her leg. IXN eyeballs wid NGO over at HRO as IXN gets a new Yaesu FT-470 HT. VKZ, after linking thru WA6TWF, tells OPs we need a 10/75m band capt. fer FD. Frank also gets a 5 KW generator!..9 KW fer FD, OPs! RE gives reference adr. for 'Indices of Solar Activity Data' to IXN. And Ralph airs 'Newsline' amidst moderate co-channel QRM..OPs lose a staunch ham supporter wid the assassination of Ghandi! RND motors to Bishop over Memorial Day, meets wid his 2 boys & 5 grandharmonics, & prepares the ham gear fer FD! AF6C alerts NC that VKZ is breaking (TNX, Bob!) BWZ solves his computer modem problem, and XQR calls fer 'RF' materials, studies code fer the Xtra license, & catches a cold! VMS gets all new stainless steel hardware fer the FD ant., puts up a new dipole fed wid open ladder line connected to the old Johnson Viking matchbox. And during the CQ WW Prefix contest, Bill works ZB2X on Gibraltar, and 4J1FS, Soviets on MVI Island. PFA helps VPP wid the packet software, gives Kent, ATK, a quick packet QSO, and Tom has problems wid via France to have his card delivered to the St. Pierre contact. Larry also builds a couple of J-pole ants. fer a perspective ham.

**THURSDAY NIGHT 15 METER CW NET  
STILL NEEDS A NET CONTROL- SAY YES!**

### Minutes of OCARC Board Meeting

June 1, 1991

Meeting called to order by President Ken Konechy at 8:22 AM. Officers present were Ken-W6HHC, Mike-K6KAA, Bruce-KC6DLA, Bill-N6VMS, Tom-WA6PFA, Bob-AF6C, John-KJ6TK, Larry-K6VDP, Frank-WA6VKZ and Chris-KJ6ZH. There were 33 members and guests present.

Field Day - Field day chairman, Frank-WA6VKZ, checked with the band captains to determine equipment needs. Ice chests and stove griddles are needed. Please bring them to the general meeting. A discussion was held as to whether to operate as 5A or 6A (no decision made). A setup party will be held on at 3PM Friday

June 21 at the Tustin USMC Air Station.

Raffle - It was generally agreed that the raffle for the Yaesu FT470 hand held radio had been very popular. It was suggested that a similar raffle be held in the future.

Honorary Memberships - Several names were discussed as possible candidates for honorary memberships. Bob, AF6C, will check the club bylaws for eligibility requirements.

Meeting was adjourned 9:20 AM. Respectfully submitted, KC6DLA, Bruce Creager - Secretary

**IF YOU ARE NOT IN THE CURRENT ROSTER AND PLAN TO ATTEND FIELD DAY, LET FRANK, WA6VKZ KNOW  
SO YOUR NAME CAN BE ADDED TO THE LIST AT THE MAIN GATE.**

## 220 Spectrum Management Assn. of Southern California Band Plan

by Jim Roberts, N6XTJ

It is my understanding that the following is the band plan that we adopted at the June 1, 1991 SMA meeting. I was present as a member and am passing along to you the plan as amended. I apologize if my understanding of the final motion is in error, but I wrote amendments to the plan as they occurred and believe the following is correct. The plan originated as the Frequency Board recommendation and as I said was amended on the floor. I hope you will find this information useful.

222.000 to 222.010	Small Signal (EME, SSB CW etc.)
222.020 to 223.380	Repeater Inputs 1.36 MHz wide containing 69 inputs. This doesn't displace any of the repeaters that are currently above 222.0
223.400 to 223.520	Simplex Voice/includes Autopatch, Remote Base, Control links, etc. (uncoordinated uses)
223.540 to 223.600	Packet (coordination will be by the SCDCC)
223.620 to 224.980	Repeater Outputs (1.6 MHz splits and 20 KHz spacing will remain the same as now)

PL will be required on all machines and I believe that all machines that are currently below 222 will be given first priority to pairs available in the future. The over 120 members that acted on this plan felt that it did the least damage. Everyone is being hurt by the loss of the first 2 MHZ of the band. It was felt that in Southern California this plan would provide the greatest usage of the remaining band and therefore be favored by the largest group and still leave some space for almost everyone. Only 3 people voted against this plan in the end. You should have come to the meeting, anyone wishing to speak was heard. 73 DE Jim N6XTJ

## Autobiography of the Vice Prez

by MikeAbreu, K6KAA

First licensed in 1957 as a novice KN6KAA. I obtained my general class license K6KAA in 1958 and upgraded to advanced class in 1990. I held a 1st Class Commercial Radio Telephone license from 1959 to 1969. Active on all amateur bands from 80 meters through 225 Mhz. All of this mobile and capable of at least 100 watts.

Six Meters is kind of my favorite band, kind of like snipe hunting, standing out in the field waiting for the snipes to run in the sack or listening to static for hours on end. When a contact is made on six meters, it brings back the excitement of some of my first contacts as a novice and also reminders of some of the frustrations.

I have been associated with the Orange County Amateur Radio Club for just over 2 years. Last year's Field Day with the club kind of reminded me of my first Field Day in 1957.

I currently am net control for ARES district 3 for which Frank, WA6VKZ is the EC. If you check into a net, be careful if you ask who is net control. I did that very thing for the ARES district 3 net; the response was "You're it!"

I am one of those native Californians, and have been outside the state only some 2 months. You may have heard me remark about needing a passport to leave California, I know you need one to get back in.

Cal Poly in San Luis Obispo is where I started college in 1959 and finally finished by BSEE (Electronics) 10 years later at Cal Poly Pomona after getting married and my first daughter and starting work for North American Aviation from 1962 through my graduation in 1968. Not having enough of school, I went back for more of the same and acquired a Master of Science in Engineering at Cal Poly Pomona, while working for Burroughs Corporation, now UNISYS, and a second daughter.

Some of my other activities include working for Unisys as a Senior Systems Specialist, but sitting down all day and typing seems more like a programmer. In my spare time I take care of my rental property in Bakersfield and Santa Maria.

## CORRECTIONS TO APRIL 1991 OCARC ROSTER (as of 6/08/91)

1. Correct Rolf Franske KK6QW's phone number: (714) 531-3087
2. Correct Tom Thomas WA6PFA's street name: Gainsborough Rd.
3. Correct Ron Boman KA6RMK's street name: Sereno
4. Add Ron Boman KA6RMK's phone #: (714) 543-7686
5. \* Update Mel Chester's call: was KC6OIT, is KM6BT
6. \* Add Ed Gordon's new call: KC6TOP
7. \* Change the following addresses:
  - KC6ONZ Don Hughes, 12111 Laguna St #4, Garden Grove, CA 92640 (714) 971-3448
  - KC6OPI Cindy Hughes, 12111 Laguna St #4, Garden Grove, CA 92640 (714) 971-3448
8. Add renewed member:  
N6YLQ Jim Roberts, 20282 Orchid, Santa Ana Heights CA 92707, (714) 852-8341
9. Add new members:  
K6BWZ Bill DeSmith, 2423 N. Redwood Dr., Anaheim, CA 92806, (714) 533-4379

- KC6OBY Robbie Hatley, 380 E. 2nd. St. Apt. 18, Tustin, CA 92680  
KC6BGI Bob Scott, 300 N. Red Rock, Anaheim, CA 92807, (714) 998-6548  
KC6TKO Belinda Morrill, 1514 Verano Place, Irvine, CA 92715 (714) 856-2131  
WA3JPG Clark Turner, 1514 Verano Place, Irvine, CA 92715 (714) 856-2131  
\* Brad Strausbaugh, 350 E. Del Mar Blvd. #311, Pasadena, CA 91101  
\* KC6SCI J.R. Atcheson 1600 W. Struck Ave. #185, Orange, CA 92667  
\* Richard Higgins, 315 N. Associated Rd #806, Brea, CA 92621 (714) 990-6536  
\* Paul Merget, 849 Canoga St., Anaheim, CA 92804  
\* N6GGR Maxine Reams, 15401 Williams St. #68, Tustin, CA 92680
- (Astrisks show latest additions/corrections)

**Welcome New Members!**

## Antenna Construction Party "5,9"!

by Brad Freeborn, KC6OJY

High performance antennas were taken home by proud builders who attended the Antenna Construction Party presented by the Monday Nite Beginner's Net. Bob Gregg, AB6CH and Sandy, KC6NUF hosted the event at their QTH in Westminster. Bob estimated 30 antennas were constructed with a head count of about 45 participants. Types of VHF and UHF antennas built included: 2 meter J-Poles, 2 meter colinears, and 70cm J-Poles.

Others elected to construct half wave vertical coaxial dipoles for 10 meters and some chose to make 10 meter wire antennas. The half square wires and the wire dipoles proved to be the most interesting performing antennas considering their low cost of about 2 dollars!

Jerry Davis, KK6YO, who provided his expertise and soldering iron, remained busy at his HF wire construction station, while Bob, AB6CH, stood by with the vertical dipole and J-pole builders ready to help out. Nancy, N6XQR, was on hand with her video camera and everybody got into the act.

Those who showed up didn't go home empty-handed. Just about everyone made a great antenna which produced a low SWR. There were Extra class amateurs present, along with Advanced, General, Technicians, Novices and many of the new "No-Code" Technicians still waiting for their call signs proved to be among the most ambitious of all the builders. Upon completion of construction, an antenna was tested for SWR and in many cases, actual on-the-air signal reports were obtained. Every individual project was successful, with no failures. Most builders made contacts and got signal reports on their own antennas right on the spot. The 2 meter J-pole and colinear antennas were tested on air and got great signal reports from K6YCI in San Bernardino.

A 10 meter transceiver was on hand for testing the verticals and wire antennas. "5,9" was the signal report of the day. Coincidentally, while receiving reports on 10 meters, a station in Tampa Bay, Florida began video-taping the signals on his monitor and offered to send a copy to the group. So, in turn, Bob, AB6CH, will send a videotape of the construction party to them as well.

Only minor tuning was required on a couple of the wire antennas. The half square wire tuning technique was demonstrated by Jerry, KK6YO, who showed us how to tune one in less than 10 minutes. However, he tuned a half square wire with a 2 to 1 SWR to a 1 to 1 match in less than 10 seconds!

Bob's vertical half wave coaxial dipole design received excellent signal reports from the East Coast and those that elected to build one were quite impressed by its performance, as was Warren, WA1GUD, and his 11 year old son Walter, KC4UCQ, of Tampa Bay, Florida, who really complemented Bob on the antenna. When Nancy gets their videotape from Florida, it'll be interesting to see the various signal strengths on their meter as they were received on the East Coast, not to mention seeing the people on the other end of the QSO.

Everyone was helping each other and it was great seeing the spirit of ham radio at its best. Many were learning important fundamen-

tals of antennas that they'll carry with them throughout their amateur careers and that's great for the new hams. Welcome Prizes were given away for the best antennas. Winning for the best J-pole was Beth, (call pending). And Wendell, KC6RIW, won for the best vertical dipole. Finally, the winner of the Grand Prize, a car alarm system donated by Jerry, KK6YO, was Cindy, KC6OPI, for her 10 meter half wave wire dipole.

Congratulations to the winners and to all those that participated in this event, which turned out to be a big hit. Everyone did a swell job and had a great time!

Mike Nolan, KC6PYU of Costa Mesa helped out in the prototyping of the 10 meter vertical dipole and donated plastic for the antennas. Also, Gordon West, WB6NOA, donated coax and connectors. Jerry Davis, KK6YO, contributed wire and SO-239 connectors in addition to the grand prize. HRO donated a \$20 gift certificate prize. The donations really helped out in making this event possible.

And thanks also go to Bob and Sandy for being such super hosts!

Here are some of the SWR measurements from the antenna construction party:

### 10 METER VERTICAL HALF WAVE DIPOLES

WENDELL	KC6RIW	1.7 TO 1
DON	KC6ONZ	1.7 TO 1

### 10 METER HALF SQUARE WIRES

HERB	KK6YR	1.1 TO 1
WES	KC6QTB	1.1 TO 1
PAUL	NO CALL	1.1 TO 1

### 10 METER HALF WIRE DIPOLES

CHRIS	CALL PENDING	1.5 TO 1
CINDY	KC6OPI	1.5 TO 1

### 2 METER ANTENNAS

VAL	N6ZLP	1.3 TO 1
BILL	N6ZLS	1.5 TO 1
HERB	KK6YR	1.4 TO 1
WALT	KB6PIK	1.4 TO 1
BOB	KC6TJK	1.3 TO 1
DAVID	CALL?	1.3 TO 1
LARRY	CALL?	1.5 TO 1
BETH	CALL PENDING	1.2 TO 1
TOM	N6XWC	1.5 TO 1

Let's do it again this fall Bob! 73s Brad

## Weekend No-Code Technician Class

By Bob, AB6CH and David, WA6TWF

June 28, 29, 30

at the Anaheim Emergency Operations Center

901 East Vermont St.

Call Bob, AB6CH at (714) 892-3728

to pre-register yourself or your loved ones!

## The Prez Sez....

by Ken Konechy, W6HHC

Well, FIELD DAY is almost here!! Frank Smith / WA6VKZ, our 1991 FIELD DAY CHAIRMAN, has done a terrific job of getting all the various pieces organized for this year's FIELD DAY effort. And Frank has many people like the TEAM CAPTAINS who are also planning and organizing various aspects or pieces of this undertaking.

ALL THE OCARC NOW NEEDS TO MAKE THIS FIELD DAY A SUCCESS IS YOUR HELP!!!!

Many OCARC members have already made plans to help out during FIELD DAY. But if you have never attended an OCARC FIELD DAY before and you are not sure if you can help out....then let me encourage you to come out and spend a little time helping the club. You don't have to spend the entire 24 hours at FIELD DAY. Try planning on just coming out for 3 or 4 hours if that is all you can spare. Some of the things that we need help with are:

- \* help with SET UP
- \* 1 hour relief shift with logging or duplicate checking
- \* 1 hour relief shifts at the mike or key
- \* helping with food preparation
- \* helping tired operators at night (for example: volunteering to do a 11 PM to 2 AM relief shift)
- \* taking slide pictures for the club
- \* help with TEAR DOWN

FIELD DAY is not all work! There is plenty of time to just shoot-the-breeze with club members and just plain have fun.

I am sorry that I missed the MAY meeting and terrific PRESENTATION on FD by Wayne Overbeck / N6NB, but my wife and I were still on vacation in Europe. Spring is a very pretty time in Europe, and we really enjoyed the green pastures, wild flowers, "black" forests, and castles that we saw as we traveled through England, Germany, Austria, and France. Europe is great and fun, but it was also nice to get home and speak American again.

SEE YOU AT THE FIELD DAY!!!

**W6ZE is the Club  
Field Day Call Sign**

## OCARC "W6ZE" FIELD DAY LOCATION

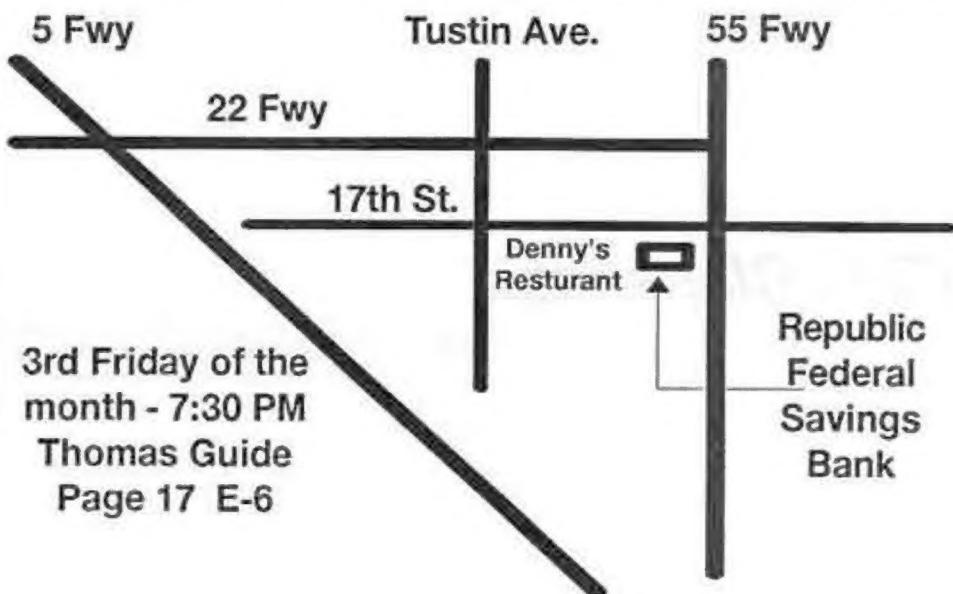


### Some of the KEY TIMES for FIELD DAY are:

ANTENNA LAYOUT AND TOWER HOLE DIGGING	FRIDAY (JUN 21)	3 PM
OCARC NORMAL MEETING	FRIDAY (JUN 21)	7:30 PM
BEGIN COMPLETION OF FD SET UP	SATURDAY (JUN 22)	7 AM
BEGIN FIELD DAY CONTEST OPER.	SATURDAY (JUN 22)	11 AM
FINISH FIELD DAY CONTEST OPER.	SUNDAY (JUN 23)	11 AM
COMPLETE TEAR DOWN AND LEAVE	SUNDAY (JUN 23)	1 PM

NOTE: NANCY, N6XQR WILL BE VIDEOTAPING DURING THE WEEKEND. BRING HER A BLANK 2-HOUR VHS TAPE LABELED WITH YOUR NAME, ADDRESS, PHONE NUMBER AND CALL FOR YOUR OWN COPY + \$3.00 IF YOU WANT IT MAILED.

## OCARC MEETING LOCATION!



## CLUB FUNCTIONS

**MONTHLY MEETING:** 3rd Friday of each month, 7:30PM at REPUBLIC FEDERAL SAVINGS BANK  
June 21st 2400 E. Seventeenth Street, Santa Ana, CA  
July 19th First building west of the 55 Freeway on Seventeenth St.  
Next to the Denny's Restaurant (see below) on the South side of the street.  
August 16th NEW LOCATION STARTED WITH THE APRIL, 1991 MEETING

**CLUB BREAKFAST:** 1st Saturday of each month, 8:00AM at DENNY'S Resturant  
July 6th 2314 E. Seventeenth Street Santa Ana, CA (714) 543-0872  
August 3rd (Second bldg. west of the 55 Freeway)

## CLUB NETS

BAND	MODE	DAY	LOCAL TIME	FREQ MHz	SPLIT	PL	OPERATOR
2 Meters	FM	Wed	2030 hrs.	146.550	smplx	na	WB6IXN
15 Meters	SSB	Wed	2000 hrs.	21.375*	smplx	na	W6HHC
15 Meters	CW	Thu	2000 hrs.	21.175*	smplx	na	??????

(Listen for W6ZE, net control) \*Plus or minus QRM

## ARES DISTRICT NETS

2 Meters	FM	Mon	1900 hrs.	145.220	-600	1A	N6HQI 1
2 Meters	FM	Mon	-1915 hrs.	145.340	-600	4Z	K6KAA 2
2 Meters	FM	Mon	1930 hrs.	noted	smplx	na	noted 3

1 - ARES Info net.

2 - ARES District 3 net starts after info net is completed (Usually about 1915 hrs).

3 - City Nets: Orange - 146.535 WB6FCP; Tustin - 146.505 KK6QE; Santa Ana - 147.585 W6HHC

---

ORANGE COUNTY AMATEUR RADIO CLUB, INC.  
P.O. Box 3454  
TUSTIN, CA 92681



## First Class Mail

WB6 IXN  
Bob Evans  
701 South Kilson Dr.  
Santa Ana, CA 92701

M

**Time-Dated Material.  
Please Rush!!**